

MEMORANDUM TO FILE

8 September 1955

FROM: 

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SUBJECT: Meeting with NSA on CIFAX/Microwave Tests

1. On 1 September 1955 the undersigned visited  at the National Security Agency Lab  to discuss certain questions relative to conducting tests to determine the possibility of utilizing CIFAX equipment over a microwave audio channel. The information required was concerning input level, acceptable distortion, etc. All of these answers were readily obtained and it seems that all of the electronic problems can be rather easily solved.

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2. The next subject brought under discussion by the NSA engineers was the condition of the CIFAX  equipment currently being stored at Riverside Stadium. It was pointed out that the best way to check this equipment was to connect and align it, back-to-back, at the Riverside Stadium before moving it to the respective test points.  suggested that  of our R&D Lab could determine the condition of this equipment and notify NSA if any major difficulties were encountered.  implied that their present work load precluded NSA performing this work.

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3. It was first thought that the tests could be conducted by  but later discussions with PEB brought out that it would probably be better to conduct the test between the Signal Center at "L" Building and the Signal Center  as this would better simulate an actual working circuit. This would have to be discussed with the Chief, Signal Center before firm plans are made. It would be necessary for the NSA engineers to be at both terminals at this test so that admittance to the Signal Centers would be required.

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4. The necessary line terminating equipment is now on hand and will be installed at the proper terminals when some firm decision is reached as to the exact time and place of such tests.

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